

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH (G.W.)

RECEIVED  
CENTRAL FAX CENTER  
DEC 07 2006

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 14-6/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 7 of 123

## Complete if Known

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5(094342.0028)

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-5288422	02/22/1994	Rajat S. Basu	
	AB	US-5290473	03/01/1994	Rajat S. Basu	
	AC	US-5300197	04/05/1994	Kenji Milani, et al.	
	AD	US-5300154	04/05/1994	Ferber, et al.	
	AE	US-5304253	06/09/1992	David C. H. Grant	
	AF	US-5304320	04/19/1994	Pierre Barthelemy, et al.	
	AG	US-5308562	05/03/1994	Hendrik Wohlfahrt-Laymann	
	AH	US-5315727	05/31/1994	Kyu C. Lee	
	AI	US-5316690	05/31/1994	Chien C. Li	
	AJ	US-5320683	06/14/1994	Shunichi Samejima	
	AK	US-5334258	08/02/1994	Nagato Osano	
	AL	US-5340443	08/23/1994	Tapio M. Heino, et al.	
		US-5340464	08/23/1994	Anthony Mickas	
		US-5342405	08/30/1994	James Duncan	
		US-5344527	09/06/1994	Anthony Mickas	
		US-5346588	09/13/1994	Herbert Sista, et al.	
		US-5354428	10/11/1994	R. Scot Clark, et al.	
		US-5354480	10/11/1994	Peter M. Robinson, et al.	
		US-5360547	11/1/1994	Keith R. Cockett, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code <sup>3</sup> Number-Kind Code <sup>2</sup> (if known)				
	BA					
	BB					
	BC					

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 501.04. \*Enter Office that issued the document, by the two-letter code (WFO Standard ST 3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

RECEIVED  
CENTRAL FAX CENTER  
DEC 07 2006

PTC/SB/08A (09-06)

Approved for use through 03/31/2007. CMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Information disclosed in this document is a confidential communication.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 8 of 123

## Complete if Known

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5(094342.0028)

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US 5368849	11/29/1994	Hideo Tsukazaki	
	AB	US 5377705	01/03/1995	Charles W. Smith	
	AC	US 5392480	02/28/1995	Hidetoshi Ishihara	
	AD	US 5404732	04/11/1995	Ji-Sung Kim	
	AE	US 5405542	04/11/1995	Toan Trinh, et al.	
	AF	US 5405767	04/11/1995	Jayarama K. Shetty	
	AG	US 5407446	04/18/1995	Yoshiteru Sando	
	AH	US 5419849	05/30/1995	Paul B. Fields	
	AI	US 5421049	06/06/1995	Charles W. Hendren	
	AJ	US 5423921	06/13/1995	Hans-Udo Saal	
	AK	US 5426955	06/27/1995	Robert J. Modahl	
	AL	US 5439817	08/08/1995	Jayarama Shetty, et al.	
		US 5443747	08/22/1995	Minoru Inada, et al.	
		US 5447171	09/05/1995	Yoshihide Shibano	
		US 5456856	10/10/1995	Ora L. Flanningam, et al.	
		US 5460018	10/24/1995	Kurt Werner	
		US 5463819	11/07/1995	Yasunuma Komori	
		US 5460572	01/02/1996	Barbara H. Minor	
		US 5468842	02/06/1996	Yukiko Nishioka, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
	BA	Country Code* Number* Kind Code* (if known)				
	BB					
	BC					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard SI 3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

PTO/SB/08A (09-06)

Approved for use through 03/31/2007 CMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449P-TO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9 of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-5(094342.0028)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US 5490894	02/13/1996	Hirohide Matsuhisa	
	AB	US 5492138	02/20/1996	Todd Tarico	
	AC	US 5493743	02/27/1996	Kath R. Schneider	
	AD	US 5494526	02/27/1996	Ajit P. Paranjpe	
	AE	US 5494600	02/27/1996	Athanasios Surutkdis, et al.	
	AF	US 5498266	03/12/1996	Hiroyuki Takagawa	
	AG	US 5500096	03/19/1996	Wallace I. Yuan	
	AH	US 5501811	03/26/1996	Ors L. Flaningam, et al.	
	AI	US 5503681	04/02/1996	Minoru Inada	
	AJ	US 5503756	04/02/1996	Alessandro Corona, III, et al.	
	AK	US 5504954	04/09/1996	Haeng D. Joo	
	AL	US 5511264	04/30/1996	Yukiko Nishiohira, et al.	
		US 5518624	05/21/1996	James L. Filson, et al.	
		US 5524358	06/11/1996	Warren Matz	
		US 5536327	07/16/1996	Robert Kalsor	
		US 5536374	07/16/1996	Arthur Spring	
		US 5537754	07/23/1996	Volker Bachmann, et al.	
		US 5538025	07/23/1996	Donald J. Gray	
		US 5538746	07/23/1996	Ehud Levy	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> Number Kind Code <sup>2</sup> (if known)			
	BA				
	BB				
	BC				

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

PTOSB08A (09-06)

Approved for use through 03/31/2007. ONB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1446PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 10

of 23

## **Complete If Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	US19984054-S (094342.0028)

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code <sup>2</sup> (if known)			
	AA	US-5555641	09/17/1996	In K. Lee	
	AB	US-5591236	01/07/1997	Timothy C. Roelker	
	AC	US-5593598	01/14/1997	Michael McGinness, et al.	
	AD	US-5604145	02/18/1997	Yasushi Hashizume, et al.	
	AE	US-5605882	02/25/1997	Diana L. Klug, et al.	
	AF	US-5617737	04/08/1997	Richard N. Christensen, et al.	
	AG	US-5622630	04/22/1997	Alvin Green, et al.	
	AH	US-5625965	05/06/1997	Malcolm Blissett, et al.	
	AI	US-5637336	06/10/1997	James R. Kannenberg, et al.	
	AJ	US-5644158	07/01/1997	Eiji Fujii, et al.	
	AK	US-5645727	07/08/1997	Ramesh R. Bhawe, et al.	
	AL	US-5649785	07/22/1997	Tobin Ojeri, et al.	
		US-5653873	08/05/1997	Bruce Grossman	
		US-5656246	08/12/1997	Walter Palapoff, et al.	
		US-5759209	06/02/1998	Robert Adler	
		US-5765403	06/16/1998	Phillip A. Lincoln, et al.	
		US-5773403	06/30/1998	Masamichi Hijiyo, et al.	
		US-5776351	07/07/1998	Michael McGinness, et al.	
		US-5776362	07/07/1998	Shigeru Sato, et al.	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	**
		Country Code/Number/Kind Code <sup>2</sup> (if known)				
	BA					
	BB					
	BC					

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard 3.1). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard 2.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. 7G.WJ

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 11 of 123

**Complete if Known**

Application Number	10/899,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5/094342.0028)

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number	Publication Date MM-OO-YYYY	Name of Patentee or Applicant of Cited Document
		Number, Kind Code <sup>2</sup> (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5787537	08/04/1998	Richard Mannillo
	AB	US-5789368	08/04/1998	Jing-Feng You, et al.
	AC	US-5799612	09/01/1998	Darren L. Page
	AD	US-5806120	09/15/1998	Dennis H. McEachern
	AE	US-5814592	09/29/1998	Jay I. Kahn, et al.
	AF	US-5814595	09/29/1998	Richard M. Flynn, et al.
	AG	US-5814498	09/29/1998	K.N. Mani, et al.
	AH	US-5824632	10/20/1998	Ora L. Flaninarn, et al.
	AI	US-5840675	11/24/1998	Bruce A. Yeazell
	AJ	US-5846435	12/08/1998	Richard A. Haase
	AK	US-5849197	12/15/1998	Leslie J. Taylor, et al.
	AL	US-5853593	12/29/1998	Rhonda Miller
		US-5868240	01/12/1999	Zbigniew Twardowski, et al.
		US-5865852	02/02/1999	Dieter R. Berndt
		US-5868937	02/09/1999	Dwight Beck, et al.
		US-5876685	03/02/1999	Gerald A. Krulik, et al.
		US-5885366	03/23/1999	Makoto Umino, et al.
		US-5893979	04/13/1999	Jeffery S. Held
		US-5894061	04/13/1999	Cynthia A. Ladouceur

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-OO-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup> , Number, Kind Code <sup>2</sup> (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA			
	BB			
	BC			

Examiner Signature	Date Considered
--------------------	-----------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the origin of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (G.W.)

PTC/SB/08A (09-06)

Approved for use through 03/31/2007. DMS 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 12

of 123

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number/Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5904737	05/18/1999	A. Duane Preston, et al.	
	AB	US-5906750	05/25/1999	Richard A. Haase	
	AC	US-5912408	06/15/1999	Toan Trinh, et al.	
	AD	US-5914041	06/22/1999	Dennis H. Chancellor	
	AE	US-5925469	07/20/1999	Ronald P. Gee	
	AF	US-5925611	07/20/1999	Richard M. Flynn, et al.	
	AG	US-5935525	08/10/1999	Phillip A. Lincoln, et al.	
	AH	US-5935441	08/10/1999	Gary A. O'Neill, et al.	
	AI	US-5942007	08/24/1999	Dietor R. Berndt, et al.	
	AJ	US-5954869	09/21/1999	Jacques E. Ellersy, et al.	
	AK	US-5955394	09/21/1999	Michael D. Kelly	
	AL	US-5958240	09/28/1999	Timothy L. Hoel	
		US-5959014	09/28/1999	Lanny Liebeskind, et al.	
		US-5960501	10/05/1999	Alan Burdick	
		US-5960849	10/05/1999	Alan Burdick	
		US-5962390	10/05/1999	Richard M. Flynn, et al.	
		US-5972041	10/26/1999	James A. Smith, et al.	
		US-5977040	11/02/1999	Minoru Inada, et al.	
		US-5985810	11/18/1999	Minoru Inada, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>1</sup> /Number <sup>2</sup> /Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	* <sup>4</sup>
	BA					
	BB					
	BC					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 601. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard 51.2). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. 7G.W/

PTO/SI/DIA (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 13

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19964054-5(094342.0028)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code <sup>2</sup> (if known)			
	AA	US- 6006387	12/28/1999	Theodore R. Cooper	
	AB	US- 6010621	01/04/2000	Harley J. Pattiee	
	AC	US- 6013683	01/11/2000	Randal Myron	
	AD	US- 6027651	02/22/2000	Alan B. Cesh	
	AE	US- 6029479	02/29/2000	Harley J. Pattiee	
	AF	US- 6042617	03/28/2000	Wolf-Dieter Berndt	
	AG	US- 6042618	03/28/2000	Wolf-Dieter Berndt	
	AH	US- 6045588	04/04/2000	Kurt Estes, et al.	
	AI	US- 6056789	05/02/2000	Wolf-Dieter Berndt	
	AJ	US- 6059845	05/09/2000	Wolf-Dieter Berndt	
	AK	US- 6059971	05/09/2000	Robert VII, et al.	
	AL	US- 6063135	05/16/2000	Dieter Berndt, et al.	
		US- 6063748	05/16/2000	Richard M. Flynn, et al.	
		US- 6086635	07/11/2000	Wolf-Dieter Berndt, et al.	
		US- 6098306	08/08/2000	Michael Ramsey	
		US- 6113815	09/05/2000	Jacques E. Ellersy	
		US- 6115862	09/12/2000	Theodore R. Cooper	
		US- 6120587	09/19/2000	Jacques E. Ellersy	
		US- 6136223	10/24/2000	Terrence J. Collins	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	*†
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	BA					
	BB					
	BC					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 605. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 001.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0551-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 14

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342.0028)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 6136766	10/24/2000	Minoru Inada, et al.	
	AB	US- 6159376	12/12/2000	William J. Lahti	
	AC	US- 6159917	12/12/2000	Jimmie R. Baran	
	AD	US- 6168714	01/02/2001	Shamsuddin Ilias, et al.	
	AE	US- 6171346	01/09/2001	Bruce Yeazell, et al.	
	AF	US- 6177399	01/23/2001	Wang Ping, et al.	
	AG	US- 6190556	02/20/2001	Robert A. Uhlinger	
	AH	US- 6207634	03/27/2001	Axel Meyer, et al.	
	AI	US- 6216302	04/17/2001	A. Duane Preston, et al.	
	AJ	US- 6217771	04/17/2001	J. Boyle, et al.	
	AK	US- 6221944	04/24/2001	Lanny S. Liebeskind	
	AL	US- 6238516	05/29/2001	Dana L. Watson, et al.	
		US- 6238736	05/29/2001	James A. Smith	
		US- 6239097	05/29/2001	Paul A. Wilson	
		US- 6241779	06/05/2001	Terrence J. Collins	
		US- 6241786	06/05/2001	Wolfgang Zarges, et al.	
		US- 6254838	07/03/2001	Amand Jean Gosde	
		US- 6254932	07/03/2001	James A. Smith	
		US- 6258130	07/10/2001	Dennis Stephen Murphy	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code <sup>1</sup> Number <sup>2</sup> Kind Code <sup>3</sup> (if known)	MM-DD-YYYY			
	BA					
	BB					
	BC					

Examiner

Signature

Date

Considered

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (G.W.)

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 15

of 23

Complete if Known

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342,0028)

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>1</sup> (if known)			
	AA	US- 6258276	07/10/2001	Alicia M. Mika, et al.	
	AB	US- 6261460	07/17/2001	James A. Benn, et al.	
	AC	US- 6269667	08/07/2001	Dwight D. Beck	
	AD	US- 6274540	08/14/2001	Jeffrey Scheibel, et al.	
	AE	US- 6277804	08/21/2001	Jay Kahn, et al.	
	AF	US- 6281187	08/28/2001	Mark Smerznak	
	AG	US- 6288018	09/11/2001	Richard M. Flynn, et al.	
	AH	US- 6299779	10/09/2001	Harley J. Patton	
	AI	US- 6309425	10/30/2001	Dennis Murphy	
	AJ	US- 6309752	10/30/2001	Rudolf Dams, et al.	
	AK	US- 6310029	10/30/2001	John A. Kilgour, et al.	
	AL	US- 6312476	11/06/2001	Robert J. Perry, et al.	
		US- 6319406	11/20/2001	Amy R. Freshour, et al.	
		US- 6327731	12/11/2001	Dwight D. Beck	
		US- 6348441	02/19/2002	John Aiken, et al.	
		US- 6350377	2/26/2002	Ulrich Kollmar, et al.	
		US- 6365051	04/02/2002	Mansour S. Bader	
		US- 6379547	04/30/2002	Bo Larsson	
		US- 6384008	05/07/2002	Diane Parry	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code <sup>1</sup> Number <sup>2</sup> Kind Code <sup>3</sup> (if known)				
	BA					
	BB					
	BC					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (G.W.)

PTO/SB/08A (09-06)

Approved for use through 03/31/2007, CMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 16

of 23

**Complete If Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5(094342.0028)

Examiner Initials*	Cite No.	U. S. PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number	Publication Date MM-DD-YYYY		
		Number Kind Code* (If known)			
	AA	US- 6387186	05/14/2002	Richard C. Reisig, et al.	
	AB	US- 6387241	05/14/2002	Murphy, et al.	
	AC	US- 6398840	06/04/2002	Pedro Orta-Castro, et al.	
	AD	US- 6399357	06/04/2002	Stefan Winge	
	AE	US- 6402956	06/11/2002	Masaaki Andou, et al.	
	AF	US- 6416668	07/09/2002	Riad A. Al-Sarnadi	
	AG	US- 6423230	07/23/2002	Shamsuddin Hites, et al.	
	AH	US- 6451066	09/17/2002	Kurt Estes, et al.	
	AI	US- 6591638	07/15/2003	Kurt Estes, et al.	
	AJ	US- 6766670	07/27/2004	Kurt Estes, et al.	
	AK	US-			
	AL	US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

Examiner Initials*	Cite No.	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Foreign Patent Document	Publication Date MM-DD-YYYY			
		Country Code* Number* Kind Code* (If known)				
	BA					
	BB					
	BC					

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Code of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (G.W.)

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. CMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 17 of 23

**Complete if Known**

Application Number 10/699,262  
 Filing Date 10/31/2003  
 First Named Inventor Conrad, et al.  
 Art Unit 1751  
 Examiner Name Gregory E. Webb  
 Attorney Docket Number US19984054-S(094342.0028)

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-2003/0196277	10-2003	Hallman, et al.	
	AB	US-2002/0056164	05-2002	Estes, et al.	
	AC	US-6,770,615	08-2004	Aouad, et al.	
	AD	US-2002/0056164	05-2002	Estes, et al.	
	AE	US-3,733,267	05-1973	Haase, et al.	
	AF	US-2003/0226214	12-2003	Rodomysekki, et al.	
	AG	US-6,855,173	02-2005	Ehrmsperger, et al.	
	AH	US-3,410,118	11-1968	Dickey John W.	
	AI	US-3,163,028	12-1964	De Pas Laddie A, et al.	
	AJ	US-5,431,827	7-1995	Talch, Michael D.	
	AK	US-4,262,546	02-1981	Krugmann, Hans G.	
	AL	US-3,691,649	09-1972	Pigors, Ernst	
		US-6,475,968	11-2002	Murphy, et al.	
		US-2003/0084588	05-2003	France, et al.	
		US-2001/0042275	11-2001	Estes, et al.	
		US-6,045,588	04-2000	Estes, et al.	
		US-4,247,330	01-1981	Sanders, Jr., Albert J.	
		US-5,091,105	02-1992	Madore, et al.	
		US-4,961,753	10-1990	Donters, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	*†
	BA	Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)				
	BB					
	BC					

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered; include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kind Code of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.15 if possible. \*Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB06A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/699,262
		Filing Date	10/31/2003
		First Named Inventor	Conrad, et al.
		Art Unit	1751
		Examiner Name	Gregory E. Webb
Sheet 18 of 123		Attorney Docket Number	US19984054-5/094342.0028

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code <sup>2</sup> of Issued			
	AA	US- 4,708,807	11-1987	Kemerer, Beverly K.	
	AB	US- 4,999,398	03-1991	Graivor, et al.	
	AC	US- 4,388,437	06-1983	Ona, Isao	
	AD	US- 4,912,793	04/03/1990	Haglwara	
	AE	US- 5,467,492	11/21/1995	Chao, et al.	
	AF	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AG	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AH	US- 5,133,802	07-1992	Maekawa, et al.	
	AI	US- 4,004,048	01-1977	Jackson	
	AJ	US- 4,636,328	01-1987	Flynn, et al.	
	AK	US- 5,712,240	01-1998	Tyerech, et al.	
	AL	US- 5,865,851	02-1999	Sidoti, et al.	
		US- 5,116,426	05-1992	Asano, et al.	
		US- 6,811,811	11-2004	Gerald France, et al.	
		US- 6,653,512	11-2003	Behr, et al.	
		US- 6,552,090	04-2003	Behr, et al.	
		US- 6,743,262	06-2004	Behr, et al.	
		US- 6,149,980	11-2000	Behr, et al.	
		US- 6,746,817	06-2004	Radomyski, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (If Any)				
	BA	EP0182583	11/12/1985	Kenneth A. Kasprzak		
	BB	JP405064521	03/19/1993	Yaki, Tomoyasu		
	BC					

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

PTOISB06A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 19

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5/094342.0028)

Examiner Initials*	Cite No.	U. S. PATENT DOCUMENTS		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number	Publication Date MM-DD-YYYY	
		Number-Kind Code <sup>1</sup> (if known)		
	AA	US-6,670,317	12-2003	Severns, et al.
	AB	US-6,890,892	05-2005	Scheper, et al.
	AC	US-6,734,153	05-2004	William M. Scheper
	AD	US-5,668,102	09-1997	Severns, et al.
	AE	US-6,828,295	12-2004	Deak, et al.
	AF	US-6,898,951	05-2005	Severns, et al.
	AG	US-5,093,031	03-1992	Login, et al.
	AH	US-6,691,536	02-2004	Severns, et al.
	AI	US-5,269,958	12-1993	de Jager, Jan
	AJ	US-6,860,998	03-2005	Peter F. Wilde
	AK	US-5,294,644	03-1994	Login, et al.
	AL	US-6,060,108	05-2000	Burd, et al.
		US-6,894,014	05-2005	Deak, et al.
		US-5,505,985	04-1996	Nakamura, et al.
		US-5,427,858	06-1995	Nakamura, et al.
		US-5,676,005	10-1997	Balict, Robert W.
		US-5,962,390	10/05/1999	Flynn
		US-6,059,845	05/09/2000	Bernit
		US-2003/0226214	12/11/2003	Radomysekaki

Examiner Initials*	Cite No.	FOREIGN PATENT DOCUMENTS		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1*
		Foreign Patent Document	Publication Date MM-DD-YYYY		
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)			
	BA				
	BB				
	BC				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 805. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W.J.

PTO/SB/03A (09-06)

Approved for use through 03/31/2007. OMA 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449P/TO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 20

of 23

## **Complete If Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342.0028)

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code <sup>1</sup> (if known)			
	AA	US-2003/0097718	05-2003	Evers, et al.	
	AB	US-2002/0056164	05-2002	Estes, et al.	
	AC	US-5,498,266	03/12/1996	Takagawa, et al.	
	AD	US-5,888,250	03/30/1999	Hayday, et al.	
	AE	US-6,558,432	05/06/2003	Schulte, et al.	
	AF	US-2003/0046963	03/13/2003	Schaper, et al.	
	AG	US-2003/0084588	05/08/2003	France, et al.	
	AH	US-2003/0196277	10/23/2003	Hoffman, et al.	
	AI	US-7,033,985	04-2006	Noyes, et al.	
	AJ	US-2005/0076453	04-2005	Lucas, et al.	
	AK	US-2002/0133886	09-2002	Severns, et al.	
	AL	US-2004129032	07/08/2004	Luckman, et al.	
		US-2002004995	01/17/2002	Frane P. Ammat, et al.	
		US-2003204917	11/08/2003	Estes, et al.	
		US-2004117919	06/24/2004	Conrad, et al.	
		US-3266166	08/16/1966	F. Heinrich	
		US-4045174	08/30/1977	Fuhring, et al.	
		US-			
		US-			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	<sup>1</sup>
		Country Code <sup>2</sup> /Number <sup>3</sup> /Kind Code <sup>4</sup> (if known)				
	BA	EP06233898	08/23/1994	Toshiba Corporation		
	BB	EP153052	06/01/2005	Conrad, et al.		
	BC	EP1528138	05/04/2005	Conrad, et al.		
		EP1528139	05/04/2005	Conrad, et al.		
		EP1290259	03/12/2003	John C. Severns, et al.		
		AT313655	01/15/2006	John C. Severns, et al.		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Time: 4:37 PM To: @ 1.521.273.8300 BSA Cleveland F

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTC

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary.)

Sheet 21

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (094342 0028)

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Index*	Cite No.	Foreign Patent Document  Country Code* Number** Class Code* (if subject)	Publication Code MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant; Paragraphs or Relevant Figures Appear	*
	BA	AU7529101	12/17/2001	John C. Severns, et al.		
	BB	CA2407180	12/13/2001	John C. Severns, et al.		
	BC	DE60116093	08/31/2006	John C. Severns, et al.		
		ES2254436	06/16/2006	John C. Severns, et al.		
		JP2003535627	12/02/2003	France, et al.		
		CH447090	11/30/1967	Fuhring Heinrich		

Examiner  
Signature

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents, [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard 3.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard 3.16 if possible. Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.68. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the collection application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or the need to reduce this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Time: 4:17 PM To: @ 1 571 273 8300 R&A Cleveland P.  
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

PTC/SEL/08A (09-06)

Approved for use through 03/31/2007. CMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 22

of 23

**Complete if Known**

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-5 (09432.0028)

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
	BA	CH427715	01/15/1967	Fuhring Heinrich		
	BB	DE1410814	05/31/1972	Fuhring Heinrich		
	BC	GB1002318	08/25/1965	Fuhring Heinrich		
		DE2401296	07/17/1975	Fuhring Heinrich		
		FR2257726	08/08/1975	BOWE BOHLER ET WEBER KG		
		WS1500801	02/15/1975	BOWE BOHLER ET WEBER KG		

Examiner  
Signature

Date  
Considered

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPPE § 509. Draw line through citation if not in performance and not corrected. Include copy of this form with next communication to applicant. \*Applicant's true citation designation number (optional). \*Applicant's true classification (optional). \*USPTO Patent Dept. Form No. 1545-0000. MPPE § 501. \*Applicant must indicate the date of publication of the document under WPO Standard ST.3. \*For Japanese patent documents, indicate the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is a symbol.

Transferee's address: \_\_\_\_\_  
 The information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and) the USPTO to process an application. Confidentiality is guaranteed by 35 U.S.C. 112 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Correspondence for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*



RECEIVED  
CENTRAL FAX CENTER  
DEC 07 2006

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

### Complete if Known

(Use as many sheets as necessary)

of 23

Application Number	10/699,262
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Gregory E. Webb
Attorney Docket Number	US19984054-S (094342.0028)

[illegible]

Examiner Initials*	Citation No.	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†*
		Foreign Patent Document Country Code* Number** Kind Code* (if known)	Publication Date MM-DD-YYYY			
	BA	JP1236303	10/17/1984	KAKIMOTO SHIGEMI		
	BB	JP50132767	10/21/1975	KAKIMOTO SHIGEMI		
	BC	JP59006944	02/15/1984	HAIRITSUHI FUYUJIRINGU		
		JP06233898	08/23/1994	TANAKA YOSHIO		
		WO0194675	12/13/2001	Praetor & Gamble Company		
		WO98/06815	02/19/1998	Abid Merchant, et al.		

Examiner Signature	/Gregory Webb/	Date Considered	03/27/2008
-----------------------	----------------	--------------------	------------

**EXAMINER:** Indicate if reference contains, whether or not citation is in conformance with MPEP 608. Draw line through citation(s) in conformance and not in conformance. Indicate copy of this form with ream communication to applicant. \* Applicant's unique citation designation number (optional). \*\* See Kind Code of Japanese patent documents, the indication of the year of the filing date. \*\*\* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For the appropriate symbols as indicated on the document under WIPO Standard ST. 16.1 is possible. \* Applicant is to place a check mark here if English language. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the inventor) an application. Confidentiality is governed by 35 USC § 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering information from other sources. If you are unable to provide the information requested, please indicate so. The individual cases, on the amount of time you require to complete this form and/or additional suggestions for reducing this burden, should be sent to the USPTO. Any comments or suggestions regarding this form should be sent to the Director, Office of Management and Administration, Attention: Paperwork Project Manager, P.O. Box 1450, Arlington, VA 22203-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Arlington, VA 22203-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.